

## WAVE SPRING WITH SINGLE SHIM END

### ABSTRACT

5 A compression wave spring assembly including a base and a compression spring with three wave regions that are formed from a continuous elongate flat wire strip. The first wave region begins at one end of the spring with a terminal wave. The waves of the first wave region have a constant amplitude. The second wave region is positioned adjacent to the first wave region. The wave amplitude of the second wave region varies from the first wave amplitude to zero. The third wave region begins where the second wave amplitude reaches zero. The third wave region includes a zero amplitude thereby forming a flat circular shim end. The base assembly includes a recess that receives and supports the terminal wave at the non-shimmed end of the spring.

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